

Travel In Soviet-Bloc State Requires Report

Security Dept. Should Know Plans In Advance

Y-12ers contemplating travel abroad to a Soviet-bloc country are required to report such travel to the Security Department as far in advance as possible. Soviet-bloc countries are listed as Albania, Bulgaria, China (including the provinces of Suiyan, Chahar, Mingsia and Jehol, sometimes referred to as Inner Mongolia, the provinces of Chinghair and Sikang, Sinkiang, Tibet and Outer Mongolia, but excluding Manchuria and Tiawan, or Formosa), Czechoslovakia, Estonia, Germany, Russian occupied zone only, Hungary, Latvia, Lithuania, Manchuria, including the former Kwantung, North Korea, Poland and Danzig, Rumania, Union of Soviet Socialist Republics, and the Communist controlled Viet Nam and Hanoi.

Travel to countries other than those listed requires no reporting. However, when travelling anywhere, vacationers are urged to be on the alert to security responsibilities. Any circumstances that may constitute a threat to personal safety or to the security interest of the Atomic Energy Commission should be reported immediately to the United States diplomatic representatives.

Vacationers planning trips abroad should contact the Security Department, particularly if iron-country travel is involved.

Cobalt-60 No Longer Produced By Commission

The Atomic Energy Commission has announced that it is withdrawing from the routine production of cobalt-60, effective immediately. This is in accordance with the AEC's general policy to discontinue providing material or services which are reasonably available from commercial sources.

Cobalt-60 in quantities sufficient to meet ordinary demands, is now being produced in test reactors for radiography, teletherapy and other common applications.

Bell's Kunzler Will Address ORNL Seminar

The regularly scheduled seminar for the Physics Division of Oak Ridge National Laboratory will be held Friday, May 19 at 3:15 p.m. J. E. Kunzler, Bell Telephone Laboratories, will lead the discussion on "Superconductivity in High Magnetic Fields."

Held in the central auditorium of the 4500 building in ORNL, the seminar is open to all interested technical personnel.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
27 Days Or
919,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through May 14
Phone 7755
For Daily Report
On Accident-Free Hours

Dr. T. L. Ray's Hobby Provides Key To Tennessee's War History

Civil War Status Of State Has Long Been Source Of Mystery; Postmarks Prove Date

The State of Tennessee provided a real historical "puzzler" as far as Civil War history was concerned, according to Dr. T. L. Ray, of Y-12's Medical Department. Tennessee seceded from the United States on June 8, 1861, but the exact date on which the state was admitted to the Confederacy was an historic mystery, was that is, until postal markings cleared the air.

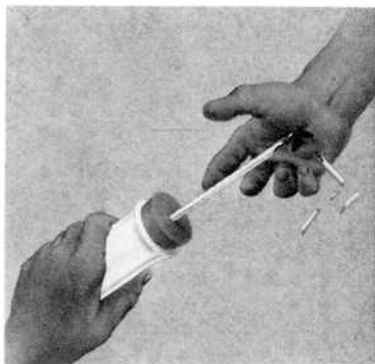
Hand Safety Stressed In Many Color Slides

More Than 2,400 Hand Injuries In Y-12

Stressing safety with the hands, the May theme of Safety meetings throughout the Y-12 plant brought out the many ways in which hands are injured. With some very fine slides, made from original color drawings by Fred Clark, in the Technical Illustrating section of Process Analysis, the meetings pointed up the grim statistics of hand injuries in the plant.

In 1960, 2,470 injuries were sustained by Y-12ers on the hands and fingers, three of which were lost-time accidents.

Since most employees use their hands in their work almost constantly, it is vital to each employee to protect his hands.



Burns, cuts, abrasions, bruises, and fractures and dislocations are some of the many painful and costly injuries that can occur to the human hand. Of the more than 2,400 hand injuries sustained by Y-12ers last year, 112 were considered serious... that is, some impairment was suffered by the employee. Although only three of the accidents were of a disabling nature, they all required necessary medical treatment and caused extreme pain to those to whom they happened.

No one else can control or protect a Y-12er's hand, but himself. His hands and fingers are active solely at his directions. So to prevent painful injuries to man's best ally in work, hands must be always guarded and protected.

Wherever possible protective equipment should be used to cover the hands. Acid-handling can be a very dangerous occupation, but with a little precaution and care most of the danger is eliminated.

So, Y-12ers are being urged to handle their hands with care, and are being reminded with the graphic illustrations on slides of the many ways in which hands can be injured.

The hundred-year-old mystery is told in a recent issue of the "Weekly Philatelic Gossip," a publication issued by stamp collectors, and written by Y-12's own Dr. Ray. Tennessee enjoyed an independent status from the dates of June 8 until July 2, when President Jefferson Davis acknowledged the Volunteer State as a member of the Confederate States. Thus, for almost a month Tennesseans were free-wheeling, free-dealing agents, just as Mexico, Cuba, or any other independent nation.

This interesting information comes from Dr. Ray's fascination with stamps, not just as stamps alone, but as historical documents, recording the times and events of their day. He points out that postal covers are really much more valuable and more interesting than the stamps alone. A "postal cover" includes the entire envelope, showing cancellations, addresses and postmarks.

One of the most interesting pieces in his collection is a letter picked up after the battle of Shiloh, one of the turning points of the tragic war between the states. It bears two stamps... one provisional stamp of the United States, and another pair of Confederate stamps! It was obviously prepared for use by a Union soldier, picked up later and mailed by a Confederate who affixed his own nation's stamps to the letter also. The shortage of paper during the period accounted for such drastic uses of mailing pieces. Two letters of Ray's collection were written on the back of postal forms.

Many Letters Returned

Several pieces of mail posted after the war started were returned to the senders, marked "Mail Suspended," thus indicating the impossibility of delivering the letter to its proper address.

Another letter from East Tennessee to Virginia relates the subversive activity in this section, which abounded in Union sympathizers. The letter mentions the blowing up of railroad bridges, and general interruptions in communications, etc.

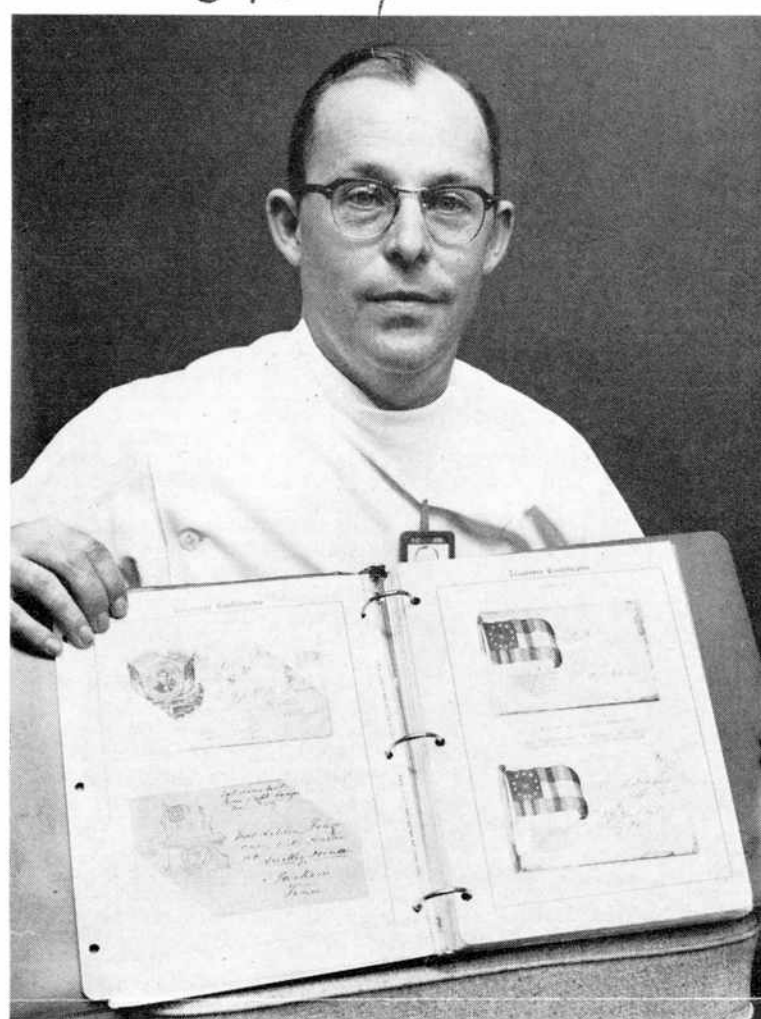
Apparently security was rather lax in those days. Many of the letters bore accounts of troop movements, supplies, and army positions. The pathetic notes from the front were filled with news of shortages and hardships.

Comedy Emerges

Comic relief is provided in many of Ray's collections. On the onset of the forming of the Confederacy, a Tennessee congressman, rather irked that his state had not seceded, wrote a constituent, "We are not apt to sit in Lincoln's Cabinet, I think I will emigrate," is the full text of his answer.

One of the many prized items in the collection is a letter written from a Rebel sympathizer, still held in a prisoner-of-war

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DR. T. L. RAY PROUDLY DISPLAYS his Civil War collection of postal covers. This particular volume is only a part of the Y-12 medic's valuable collection.



LETTERS WRITTEN DURING THE conflict a hundred years ago are seen from Dr. Ray's collection. The likeness of Jefferson Davis appears frequently on the Confederate stamps and envelopes. Paper shortages during the war accounted for many make-shift arrangements as far as the mail was concerned.

International Company Opens Two New Offices

Union Carbide's International Company has announced the opening of two new branch offices. The first opened in Stockholm, Sweden, will be responsible for the technical service and sales promotion of UCC products in Denmark, Finland, and Sweden and will assist the established distributors in each country. The other branch office opened is in Panama City, Panama, by Union Carbide Inter-America, Inc. This office will be responsible for handling export sales of products to customers in Central America and the Caribbean countries.

A LINE, SUH?

Two English surveyors, Charles Mason and Jeremiah Dixon, worked from 1765 to 1776, to set up the Mason-Dixon line, which ended a boundary dispute between the Calverts of Maryland and the Penns of Pennsylvania.

Record Number Vote In Carbide's Annual Meeting

More than 25 million shares voted in the recent annual meeting of Union Carbide Corporation, or 85.5 per cent of the total outstanding shares. This was the highest voting record in the Corporation's history. Approximately 800 people attended the meeting, held in the Hunter College Assembly Hall in New York.

Carbide Signs New AEC Contract For Uranium

A new contract with UCC and the Atomic Energy Commission provides that the United States Government will purchase from UCNC uranium concentrates valued at approximately \$100,000,000 during the next five years. The product will be drawn from the uranium processing mills at Rifle and Uravan, Colo. The contract became effective April 1, 1961, and extends through December 31, 1966.

The Bulletin

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Y-12 Employees Of
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NUCLEAR COMPANY
Division Of
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Nelson Bethea's Girl Wins Knox County Bee

Champion Speller For
Elementary Schools



Martha Bethea

Grand champion speller for Knox County, and sixth placer in the Southern Appalachian Spelling Bee, held recently in Knoxville, is Martha Bethea, daughter of Mr. and Mrs. Nelson Bethea, 7320 West Ridge, Knoxville. Her father is in Y-12's Special Projects Department of the Technical Division.

It took 34 rounds for Martha to eliminate all other contestants in the competition, which is sponsored by the Knoxville News-Sentinel. Her last opponent misspelled the word PLEBISCITE. After spelling this word correctly, she went on to spell PNEUMATIC accurately in Round 34. This cinched her the title of spelling champion for Knox County elementary schools.

The sudden-death spelling contest is held every year and produces many fine examples of brilliant spelling even in the elementary school in Knox County. Bethea came to Y-12 in 1947, and has until recently been on special assignment in the Oak Ridge Gaseous Diffusion Plant's Electronic Data Processing Machine section. He is now back in Y-12 in the Technical Division.

UT Announces Courses In Summer Schedule

The University of Tennessee announces its tentative schedule for summer courses to be held at the Oak Ridge High School, with registration beginning June 12:

Business Law 413
English 111
English 211
How-To-Study (No credit)
Math 111
Math 461
Psychology 211
Psychology 451
Sociology 211
Special Education 597
Speech 231
Speech 232

More details may be had by telephoning the UT Night School office at Oak Ridge 482-2851.

Most of us would get along well if we used the advice we give others.



Did you know this is National Pickle Week? On top of all the "do-nut weeks," the "be kind to this and that days," there's a new one suggested, called International Whale Watchers Week. Then we still like the one called "Leave Us Alone Week."

Leave us stop immediately and take inventory around Y-12 to see what this week's new is from—

SHIFT SUPERINTENDENTS AND UTILITIES

Lib Kilby, of the SS office, visited her grandfather recently in Mississippi. He is very ill, and best wishes are sent his way.

From Utilities it's passed on that W. S. Everett and family are getting in some fishing at Tellico Plains and plan to spend part of this week in the Smokies. R. G. Hurst is taking it easy at home... Lonnie Ellison is sporting a new car, and a beauty it is too... J. L. Hart is the latest addition to the "Proud Pop" section and is vacationing to get to know his seven pound-plus son... J. F. May plans a full week visiting relatives in North Carolina, doing some fishing, and attending a singing convention in Lawrenceburg... R. P. Mann and family visited relatives over the week-end.

It's funny that you never get too old to learn some new way to be foolish.

INDUSTRIAL RELATIONS

Fire and Guardmen are welcoming L. W. LaRue back to work after a seige in the Rockwood Hospital... D. H. Patterson and Wynetta of the Cafeteria motored up to Indiana to await the arrival of another grandbaby... Guard A. O. "Chili" Mitchell produced this



Joyce Marie

mighty fine picture last week and passed it around. It seems his 17-year old daughter, Joyce Marie, is graduating from Clinton High School shortly, and it's no small wonder Mitchell practically wore this snapshot out before it fell into "you-know-who's" hands.

The Cafeteria welcomes in Howard McClellan, and is all smiles to see Boss George McNamee back after quite a spell off with ailments... Mrs. Rosa Lowe vacationed last week in Clinton at home... another stay-at-home this week is Vena Mae Summitt at Lenoir City.

Superintendent George Flack is down-Florida way this week, getting the old cottage in shape so that it will absorb plenty of tropical sunshine this summer.

Nina Ball is welcomed into Benefit Plans... Nina comes via ORGDP, and lives over near the Farragut community in Knox County.

A baby girl is defined as a fragile craft on the sea of life—and as she gets older she gets craftier and craftier.

TECHNICAL

Radiation Safety comes along with word that Joe Youngblood and W. S. Everett are stay-at-homes this week in Oak Ridge, taking it easy... Jim Morehead visited relatives up Ohio-way.

Special Projects has food on the brain again, with cake, cake, more cake and calories. With Spring bringing forth birthdays like flowers, they started off with a group including Jim Kennedy, Jim Dodson, Kay Sideris, George Lockhart and Tom Keane. Lockhart's treat for his "slightly over 21" day was baked by Terry McGown (wife unto George). The hard-boiled egg and dietary control customers, Jim Kennedy,

Kay Sideris, Sam Rea and Jeri Kobisk had a rough time of it saying "no" so many times. Jim Kennedy tossed in the sponge at the end of the cake season muttering something about taking off for a couple of months' basic training in the Air Force at San Antonio, Texas. And what did they give him for his departure?... a cake, naturally. While not exactly edible, but with food in mind, the Beta Four crowd, along with Helen Stone and Jeanette Akers, got together and gave Ted Newman a wooden salad set. Ted abandoned the honored state of bachelorhood last Friday, May 12. Vacation plans are still floating around... but Helen Stone's are not printable, as viewed from sickbay.

First Golfer: The traps on this course are very annoying.

2nd Golfer: Very true. Would you mind closing yours?

FINANCE AND MATERIALS

Property passes out word that Tom Narcosse and Laura, his wife, of Communications, are vacationing at home this week.

The man who thinks this world was made solely for his benefit has never tried to find out why so little of it is fit for him to live on.

MAINTENANCE

Electrical declares that Melvin Whited is enjoying a three-day journey (or did enjoy) to Center Hill recently to get in some fishing... Virgil Lovett and Ed Poe ventured down thataway for the same purpose... J. F. Johnson and R. E. Douglas were welcome sights back on the old stompin' grounds after bouts out from work... J. F. Johnson proudly displayed this picture all over the shop recently... it's his newest grand-daughter, little Gracey Elaine Smith, born April 29. Her parents are Mr. and Mrs. Jim R. Smith. The little lady



Gracey Smith

weighed in at eight pounds, 10 and one-quarter ounces... A. D. Casey and K. W. Rainbolt vacationed last week... and N. L. Derryberry took off, nobody knows where.

The longest word in the English language is one that follows, "And now a word from our sponsor."

MECHANICAL OPERATIONS

From the Sunflower Shop J. P. Parker is in Florida for two weeks, then plans to stop by Alabama on his way back to visit folks.

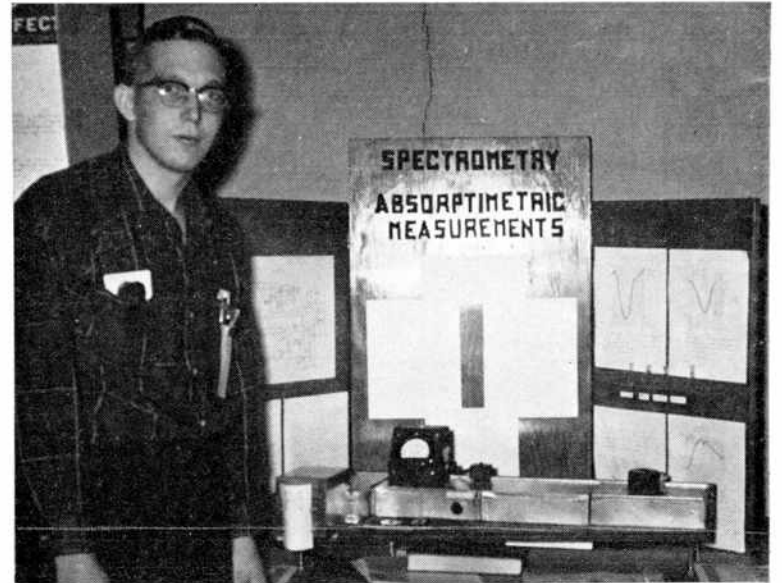
Special Mechanical Production produces the news of G. L. Lambert vacationing at home last week in Loudon, and P. A. Fritts at Lenoir City... and over in F Area it's learned that E. M. Miller, B. R. Lundy, and W. T. Calhoun took off to parts unknown... E. J. Coffman is mighty glad to be back at work after illness... and Hiram Crutchfield is still ailing and best wishes are sent to him.

The General Machine Shop folks have a load of vacationers this week... none left forwarding addresses: John Crossno, Don

Continued on Page 4



BETA TWO SAID ADIEU LAST WEEK to Joette Rule, center, who left Friday, May 12, to await the arrival of her baby. The distaff side of the department, who engineered the whole thing are, from left, Nancy Stutts, Marilyn Barnhill, the honoree, Barbara Guettner, and Mary Scott. The folks in Beta Two gave Joette a gift certificate.



ANOTHER Y-12 SCIENCE FAIR WINNER was Quincy Cobb, 17-year-old son of Mr. and Mrs. Billy Cobb, of Route 3, Clinton. Young Cobb's father is in the Y-12 Electrical Department. He is shown with his display on spectrometry, which took first place in the Clinton High School senior physics division, and placed fourth in the Southern Appalachian Science Fair held recently in Knoxville. His award in the Knoxville fair netted him \$20.

Science Fair Entry From Clinton Places 4th In Appalachian Meet

1961 Big Year For Offspring Of Y-12ers;
Cash Awards Taken By Many Local Students

It seems 1961 is the big year for Y-12 as far as Science Fair winners are concerned. For the second year in a row, Quincy Cobb, son of Mr. and Mrs. Billy Cobb, took top honors in the senior division of the Clinton High School Science Fair. Then he took his display into the Southern Appalachian Science Fair and placed fourth there with his entry.

Young Cobb, whose father is in the Electrical Department in Y-12, chose as his project in the Clinton fair the construction of a low-cost spectrophotometer with the limitations noted. His entry, which also won the grand prize last year, was on the same subject.

The young science enthusiast will graduate from Clinton High School next month, and hopes to enter the Massachusetts Institute of Technology, Cambridge, Mass. next fall.



"Daddy, can I see the salt mines where Mr. Smythe keeps his slaves?"

Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will observe 15 and 10 year Continuous Service in the next few days.

15 YEARS

Lawrence H. Perry, Fire Department, May 20.
Clyde W. Clower, Engineering Services, May 22.

10 YEARS

Jasper C. Howard, Buildings and Grounds, May 17.
James C. Stutts, Sr., Process Maintenance, May 21.
Charles H. Cottrell, Maintenance Planning, May 21.
Ralph E. Gibson, Beryllium Fabrication, May 21.
Samuel L. Downing, Machine Maintenance, May 21.
Robert L. Gouldy, Beryllium Fabrication, May 21.
Hubert A. Marrow, Area Five Maintenance, May 22.
James K. Denton, Accounting and Bugets, May 23.

Harriman Golfers Fight Nip and Tuck For League Lead

The Creswell-Winters team in the Harriman Carbide Golf League inched to within one-half point of first place in link play during the fourth match the week of May 1. They crushed the Brown-Buttram pair by three and one-half points. Other three and one-half point wins were posted by Willmarth-Scalf over Lynn-True, and Isham-Crass over Kytte-Grimes. League-leading Hamill-Thomas took three points from Evans-Henck. The Ellis-Franzreb, Kidd-O'Keefe twosomes split two points each.

Low scratch score was fired by Bruce Isham with a low 36, while net score was won by Leo Scalf's 32.

In the fifth match shot the week of May 8, the Lynn-True team battered the Hamill-Thomas pair for three points, while Cuneo-Kyte overwhelmed the Ellis-Warlick duo by three and one-half points. Evans-Henck moved up in league standing by ramming the Buttram-Brown pair for the full four points.

Low scratch score was given to Benny Crass with 37, and low net score went to E. S. Henck with 32.

League standing follows:

| Team | W | L |
|------------------|----|-----|
| Hamill-Thomas | 15 | 5 |
| Creswell-Winters | 15 | 5 |
| Brown-Buttram | 12 | 8 |
| Lynn-True | 12 | 8 |
| Isham-Crass | 10 | 10 |
| Evans-Henck | 9 | 11 |
| Grimes-Cuneo | 8½ | 11½ |
| Tilley-Willmarth | 8½ | 11½ |
| Ellis-Franzreb | 3½ | 16½ |
| O'Keefe-Kidd | 2½ | 13½ |

Three Ridge Golf Teams Unbeaten

Neck-And-Neck Race Looking Up On Greens

The Oak Ridge League for golfers in Y-12 during the week of May 8, saw three teams maintain perfect records as the Stroud-Ebert pair took Underwood Early; the Hines-Dorr team over Belvin-Hopkins; and Peterson-Presley over Smith-Bartholomew. Other six-point wins were driven home by Andrews-Turner over Gregory-Kurtz; Ratjen-Hoppe over Brown-Roberts; Hackett-Townsend over Crow-Breman; and Dehoney-Knowles over Mitchel-Tibbatts. A five-point win was registered by Boyd-Oliphant over Crone-Douglass, while Holzknicht-Peckman took four from Mee-McLendon.

Bill Ebert shot low scratch game with a 39 tying with C. F. Peterson, and Peterson took handicap honors with a low 33.

Team standing follows:

| Team | W | L |
|--------------------|----|----|
| Stroud-Ebert | 12 | 0 |
| Hines-Dorr | 12 | 0 |
| Peterson-Presley | 12 | 0 |
| Holzknicht-Peckman | 10 | 2 |
| Andrews-Turner | 10 | 2 |
| Ratjen-Hoppe | 8 | 4 |
| Hackett-Townsend | 7 | 5 |
| Crow-Breman | 6 | 6 |
| Dehoney-Knowles | 6 | 6 |
| Smith-Bartholomew | 5 | 7 |
| Mitchel-Tibbatts | 5 | 7 |
| Boyd-Oliphant | 5 | 7 |
| Brown-Roberts | 4 | 8 |
| Mee-McLendon | 4 | 8 |
| Crone-Douglass | 2 | 10 |
| Gregory-Kurtz | 0 | 12 |
| Belvin-Hopkins | 0 | 12 |
| Underwood-Early | 0 | 12 |

Oak Ridge Greens Site Of Next Golf Tourney, May 27

Golfers wishing to participate in the Oak Ridge Golf Tournament planned for Saturday, May 27, must register in the Recreation Office tomorrow morning, 7:30 a.m., Thursday, May 18.

Tee-off times will be assigned on a first come — first served basis. A single individual may request only one foursome's tee-off time. No telephone times will be given out until all those present have been assigned starting times.

The 72-par course in Oak Ridge has always proved popular with linksmen in Y-12. Green fee is \$3.

The tournament held on the Oak Ridge green last year, drew a record 141 golfers.

Vultures, Hawks Are Sought For Study

Y-12ers knowing the location of nests of the Turkey Vulture, Black Vulture or the Red Tailed Hawk are being asked to report such locations to their local Game and Fish officer. The nesting site locations of these large soaring birds are needed in a study of bird flight performance now under way at Vanderbilt University.

Dr. Charles E. Farrell, in charge of the study, said that fledgling birds are being used in an attempt to measure flight performance after the manner used for man-made aircraft, but locating an adequate number of birds, needed for the experiments, is a major problem.

COLOSSAL FOSSILS

In recent drillings in the barren, lifeless Lybia deserts, oilmen are uncovering fossilized bones of mastodons—huge extinct elephant-type mammals. No animals live there now and no birds even fly overhead, but archeologists claim the area was once a lush swampy area where pre-historic beasts wandered.



SHOWN WITH THEIR GIGANTIC string of fish recently pulled from Center Hill waters are Mr. and Mrs. John Orr (he's in Buildings and Grounds). The string, which included more than 50 fish, was taken during D Shift's last long break.

Lenoir City Tees Off League Play

Four Twosomes Start With Whitewash Scores

The Lenoir City Golf League for Carbidors teed-off the week of May 1. Taking the full four points from opposing twosomes were Watson-Collins over Rogers-Thompson; Hicks-Cook over Wray-Wright; Beckett-Cox over Reid-Gregory; and Case-Frizzell over Kennedy-Scott. Three-point victories were fired by Rutherford-Hutson over Hudson-Morris; and Miracle-Kingsbury over Grubb-Clayton. The team of James-Peters won three and one-half points from Harris-Carter in a six-hole match.

Lou Watson was low scorer of the week with a 38 scratch, shortened to a 28 handicap score; while J. P. Cook took second honors with a 39 and 31.

Initial league standing follows:

| Team | W | L |
|-------------------|----|----|
| Watson-Collins | 4 | 0 |
| Hicks-Cook | 4 | 0 |
| Beckett-Cox | 4 | 0 |
| Case-Frizzell | 4 | 0 |
| James-Peters | 3½ | ½ |
| Rutherford-Hutson | 3 | 1 |
| Grubb-Clayton | 3 | 1 |
| Miracle-Kingsbury | 3 | 1 |
| Hudson-Morris | 1 | 3 |
| Harris-Carter | ½ | 3½ |
| Rogers-Thompson | 0 | 4 |
| Wray-Wright | 0 | 4 |
| Reid-Gregory | 0 | 4 |
| Kennedy-Scott | 0 | 4 |

Timber Cutting May Work Hardships On Fish and Game

In a recent address to the Society of American Foresters, Gilbert Stradt, supervisor of the Cherokee National Forest, said that timber cutting is one of the more important factors contributing to the improvement of wildlife habitat. Stradt stated that sound harvesting practices of our timber supplies provides for a healthier forest and increased seed and mast production so necessary for many wildlife species.

Today, due to heavier use and expanding populations, most of our public lands are being managed under some concept of multiple use. On the National Forest Service lands, Stradt said, a new program specifically beneficial to our wildlife resources is now under way. This new program, he said, is designed to step up the improvement of fish and game habitat on Forest Service holdings. As a forest resource, wildlife now receives the management considerations of a full partner to timber, water and recreation.

Neither tea nor coffee has any food value.

Hikers' Club Is Y-12er's Pet

O. K. Sergeant Boosts Walking For Recreation

Conquering Mount Everest is not part of the Smoky Mountains Hiking Club's ambition, according to O. K. Sergeant, a member of the board of directors of the group. Actually, he points out, there are many trips planned for the novice hiker, even the lazier ones. Some mild strolls range from five to six miles.

The nearby Cumberland mountain range, and, of course, the Smokies offer a myriad of trails for the hiker, robust or not. Ridgers have been hiking with the SMHC since the early days, when transportation was difficult due to war days. Some 50 Oak Ridgers are avid hikers, taking in most of the scheduled hikes.

All-Day Affairs

Hikes are usually all-day affairs. Most of the easier trips are scheduled for spring-flower time and for hot summer weather, when the program planners try to have a stream handy for cooling off now and then.

The greatest portion of the 240 members of the club live in Knoxville. Others are scattered from New England to California, while a few live in foreign countries and two are in the Antarctic. Once a year the club joins members of other hiking clubs from Kingsport, Atlanta, Asheville, Abingdon and Roanoke in a hiking, talking, square-dancing get-together. The tie that binds these clubs together is the project to improve the Appalachian Trail, the extent of which is from Georgia to Maine. The principal part of the work done by the SMHC is annually clearing weeds, brush, and fallen trees from that portion of the trail which lies south of Fontana Reservoir.

O. K. Usually There

Sergeant is always seen on most of the SMHC's trips. In January, he braved the snow and ice, climbing Mount LeConte with the group, and found snow in parts of the mountains chin-deep.

Any Y-12er wishing more information on the club, how to join, when and where it meets may contact Sergeant at plant phone 7943. His enthusiasm for the hiking outfit surely will convince anyone of the merits of the Hikers' Club.

Limited Shooting May Be Tried To Protect Waterfowl

In an effort to improve the shooting success of East Tennessee waterfowlers, limited or controlled shooting may be tried on three of East Tennessee's public shooting areas, according to Bill Yambert, waterfowl biologist for the State Game and Fish Commission. Yambert said that recommendations now under consideration would restrict waterfowl shooting to Tuesdays, Thursdays, and Saturdays on the Riley Creek, Cottonport and Yellow Creek areas. Such limited controlled shooting, he pointed out, could serve two purposes — to keep the areas from being burned out the first few days of the hunting season and to allow our visiting waterfowl to better utilize the food plantings of the areas.

To set up such control of these public shooting areas, Yambert said that they would be declared wildlife management areas and posted as such. He also stated that no permanent type hunting blinds would be allowed and that all temporary type blinds permitted would be on a first-come-first-serve basis, regardless of the blinder.



Riders wanted from Clinton to East or North Portal, straight day. Charles D. Bennett, plant phone 7-8894, home phone Clinton 902.

Car pool members wanted from Woodland section, Oak Ridge, to Central or North Portal, straight day. D. G. McAlister, plant phone 7-8587, home phone Oak Ridge 483-5153.

Ride wanted from Kingston Pike, Cogdill Rd. in Farragut section to North or Central Portal, straight day. Nina Ball, plant phone 7383.

Car pool members wanted from Inskip, Norwood section to West, Central, or Bear Creek Portal, straight day. Elmer Neely, plant phone 7-8835, home phone Knoxville 687-5489.

Will join car pool from Audubon Rd. section, Oak Ridge, to West or Bear Creek Portal, straight day. R. N. Wagner, plant phone 7776, home phone Oak Ridge 583-4535.

ALPHA GAMMA BOVINES

Atomic radiation might soon be used for curing leather commercially.

If you keep your mind on your work, you'll find you won't have work on your mind.



"I said I was sorry I coughed, and besides what's so important about breaking a hundred?"



THE PRIZE-WINNING poster entry for the month of April is shown above, submitted by J. S. Tilley, Product Processing. The idea will be used in plant-wide posters during the month of July when the safety agenda will stress chemical and temperature burns.

BULK RATE
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

**UNION CARBIDE
NUCLEAR COMPANY**
Division of
Union Carbide Corporation

Post Office Box Y
Oak Ridge, Tenn.

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,
RETURN TO SENDER IMMEDIATELY.

Daughter Of Y-12er Wins Poetry Contest

Takes First Place In Kingston Competition

The daughter of a Y-12er has won the first prize in a poetry contest sponsored in the Kingston Schools. She is Nancy L. Painter, daughter of C. D. Painter, Machine Maintenance.

Nancy has written many poems, some of which have been published in the American Baptist Association Paper. Her winning poem, entitled "Who" is printed below.

"WHO"

Who makes the stars to shine at night,
Who makes the sun to shine so bright
Who makes the nights and the days,
God makes everything, most people say.

Who makes the rivers and the seas,
Who makes the birds and the bees,
Who makes the wind to blow all day,
God makes everything, most people say.

Who makes the weeping willow trees,
Who makes our eyes that we can see,
Who makes our voices so we can say—
God makes everything, most people say.

The Painter daughter is 14 years old and in the eighth grade at Kingston School.

Helping Wild Babies Often Proves Fatal

Few people can resist the temptation to give nature a hand when they find an apparently helpless small animal or bird. As a substitute parent for such tiny birds and animals, man, more often than not, just hastens their death with his well intentioned ministrations. If you really want to give nature a helping hand, leave the youngsters alone. They are not as helpless as they appear to be.

ORGRP Development Building Completion Seen This Year

Scheduled to be completed by December 31 of this year is the new development building at the Oak Ridge Gaseous Diffusion Plant. The one-story building will house about 40 research and development employees. Specific design features will provide for particular requirements of semi-plant scale chemical laboratory work, inorganic and physical chemical laboratories, X-ray diffraction, electron microscopy and infrared laboratories.

BY JUPITER!

An earthling would weigh 11 times his earth-weight on the planet Jupiter.



Nancy Painter

Is Douglas Lake Loaded With Fish?

Is Douglas Lake loaded with fish? Some of our more fortunate fishermen say that it is, and it could be that these lucky anglers know what they are talking about. Fisheries biologists, now working on an evaluation project of electrical shocker devices to aid in sampling and fish tagging studies tend to agree that the popular fishing impoundment may be loaded with fish. With the aid of one of the new fish shockers the study crew recently boated, weighed, and released two hundred bass, ranging in size from one to three pounds, along less than one mile of shoreline. In addition to the heavy haul of bass, a like number of sauger pike were taken, along with numerous rough fish species.

Gordon Hall, chief aquatic biologist for the Tennessee Valley Authority, said the shocker type equipment being tested appeared promising but that further evaluation of the method was needed. As a joint project of the TVA and the Tennessee Game and Fish Commission, similar test studies have been scheduled for Chilhowee Lake.



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Branson, C. M. McCarley, R. E. Lively, J. C. Daniels, W. O. Thompson, Bob Horton, and J. H. Patrick . . . W. B. Rutherford is ill, and get-well quick is the word to him . . . C. O. Methena says he didn't get any fish on his latest excursion to Center Hill, but is not discouraged . . . he's going back again.

Beta Four Heavy Machine Shop sends word that although the Gold Rush was over a hundred years ago, C. E. Hensley went out anyway, must not have struck it rich, cause he's back at work . . . H. D. Pritchard started his vacation off right by attending the Kentucky Derby . . . Gus Perry's vacation plans went awry when he got sick . . . Shoppers 'low the thought of being away that long put him under the weather . . . T. T. Patterson is having a "swell time" . . . he has the mumps.

The gossip usually gets caught in his own mouth-trap.

CHEMICAL OPERATIONS

Eleanor Duke from Uranium Recovery visited in Birmingham recently to get acquainted with her new grandson, born April 3 . . . Herman Butler is also the proud papa of the department . . . having a daughter to arrive on April 6 . . . Joe Bridges is going to try for another blue ribbon to put beside the one he won at Chattanooga with his horse. This past week-end he entered the beauty in a competition at Gate City, Va. . . W. T. Horton and his wife went square dancing recently at Fontana Village . . . Mildred Sparks vacationed at home around Knoxville, and enjoyed some fishing on the lake . . . get well wishes are sent to Mabel Stapleton's brother in Kingsport Hospital.

We may live without friends,
we may live without books; But
civilized man can not live without
cooks.

ENGINEERING

News is a mite scarce from planning people of Engineering, but the ME's say that H. D. Cunningham vacationed in Fountain City . . . and Peggy Hardin and family visited relatives in Michigan recently.

The Mercury capsule is about ready for count-down, so it's all aboard. Before boarding, a mighty fast sprinter has got to catch this little chicken who doesn't like the sounds of 10, 9, 8, 7 . . . whoops.

Safety check your driving.



NEW OFFICERS FOR the Technical Societies' Joint Council are seen standing from left, C. Burchsted, Francois Kertesz, Robert White, and C. L. Estes, of Z Area and Dispatching, who are secretary, president, vice-president and treasurer consecutively. Seated are their predecessors: L. T. Newman, R. M. Farnham, R. E. Cofield, of Y-12's Engineering Development, and G. R. Jamieson.



THIS PRIZED LETTER FROM THE Civil War was picked up shortly after the Battle of Shiloh from the battlefield and then re-mailed by a Southern soldier. The battle at Pittsburg Landing in Tennessee is considered one of the decisive battles of the tragic war.

Dr. T. L. Ray

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camp two months after Lee's surrender at Appomattox. These types of correspondence are rare, indeed, explains Dr. Ray. The other kind, that is, letters from Union prisoners from Southern prisons are rather plentiful, but the reverse is true the other way around.

Hobby Began Simply

This fascinating hobby began shortly after Dr. Ray's marriage, when his wife found some ancient correspondence in the attic, and it has grown from there to the point now where he possesses a very fine collection.

Letters mailed a hundred years ago differed very little from postals today. Many of the stamps were adhesive-type stamps used in modern society. Some were pre-printed by the lithograph process on the envelope. The postmaster in those days depended for his income on postage sold, thus almost every post office issued its own mailing pieces.

In Good Condition

The papers in Dr. Ray's collection are remarkably preserved, considering the age of the writing and paper. Only a few bear age-marks and spots of wear and tear. Special care is required, however, in the present-day care of these documents. Plastic covers protect the further aging of the letters.

Dr. Ray relates a rather amusing story around one of his rare Confederate stamps, one that bears the resemblance of Jefferson Davis. There are only three or four known to be in existence that are cancelled. Mrs. Davis, upon hearing someone remark that the bust of her husband from which the stamp was designed, looked a lot like Lincoln's face, took rather a dim view of the stamp. Needless to say, the stamp enjoyed a short life in circulation.

Relayed Across Lines

Letters could be mailed across the lines during the day, but were first sent to Nashville. Then by special agent they were delivered to Louisville, Ky. and re-mailed. The likelihood of their arrival at their destination was not so good, however.

In describing his research and hard work in the project, Dr. Ray explains the stamp business is tricky. "I've never been stung on an expensive piece I bought," he says, "where you get burned is when you think you're getting a bargain . . . and it really isn't."

Rarity Makes Value

What makes many of these pieces so valuable is, of course, their rarity. "Folks hate to part with ancestral correspondence," Dr. Ray states, "but sometimes the letters are passed into disinterested hands, and there's where the trouble begins. They sometimes are even thrown out." He told the sad story of a woman with a shoe box full of old stamps that had been removed from their letters. "They were worth about two dollars," he said, "when the original correspondence on which the stamps



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

A. O. Roberts, Beryllium Fabrication; W. R. Yaden, Sunflower Shop; R. H. Bradshaw, General Machine Shop; W. W. Chase, Forming; G. S. Henley, Engineering Records; H. H. Bright, Sunflower Shop; Warren Bass, Research Services; J. E. French, Process Maintenance; Ruth Houchell, Chemical; E. A. Cruey, Alloy Shop; John A. Whitney, Special Mechanical Production; and W. D. Hopper, Beta Four Assembly and Forming.

Colorful Tour Planned By Society For Memorial Day

A special passenger train will leave from the L&N Knoxville terminal Memorial Day, Tuesday, May 30, at 9 a.m. This excursion is sponsored by the Old Smoky Chapter of the National Railway Historical Society, to promote the hobby of railroading.

The excursion includes a round trip to Copperhill, Tenn. and travels through some of Tennessee's most scenic parts. A highlight of the trip will be the circling of the famed Hiwassee Loop.

The excursion is called "Round Th' Mountain Spring Flower Excursion." Additional information on tickets may be obtained from George W. Sell, in Carbide's Purchasing Office in Charlotte Hall, telephone extension 4318.

were affixed probably was worth thousands." But it had been tossed into a waste can.

Attic May House Fortune

Y-12ers, rummaging around in the attic, may find something of value in grandpappy's love letters from the front. Don't dare throw them out until you let Dr. Ray see them.

The celebration of the Civil War Centennial makes Dr. Ray's hobby more timely and interesting. Before you toss away any fading old letters from the attic, make sure you are not destroying a part of our historic heritage. Besides doing away with documented history, you may be throwing away a fortune in old papers!

Hospitals would have fewer pedestrian patients if there were more patient pedestrians.

